

CLAIMS

1. A method of configuring a lock system (100) owned by a lock system owner and comprising a management
5 computer (110) connected to a plurality of door access control units (120), said method comprising the following steps:
- a) installing in the door access control units a first
10 certificate issued by a manufacturer (10) of the lock system;
 - b) providing at the management computer (110) a second certificate issued by the lock system owner and signed by the manufacturer;
 - c) transmitting from the management computer to a first
15 door access control unit of the door access units the signed second certificate together with a symmetric encryption key used by the lock system owner;
 - d) installing by means of asymmetric encryption the
20 second certificate at the first door access control unit after checking the authenticity of the signed second certificate; and
 - e) establishing of symmetric encryption communication between the management computer and the first door access unit.
- 25 2. The method according to claim 1, wherein a unique symmetric encryption key is used for each door access control unit.

3. The method according to claim 1 or 2, wherein the step of installing a first certificate is performed under the control of a boot strapped security feature in the door access control unit.
- 5 4. The method according to any of claims 1-3, wherein the step of providing at the management computer a second certificate is performed on-line through a procedure, wherein a receiver identifies himself or herself.
- 10 5. The method according to claim 4, wherein the identity of the receiver is indicated in the second certificate as attributes.
6. The method according to any of claims 1-5, wherein the step of providing a second certificate
15 comprises providing a symmetric encryption key pair.
7. The method according to any of claims 1-6, wherein the step of transmitting from the management computer to a first door access control unit the signed second certificate is preformed as an SSL-session.
- 20 8. The method according to any of claims 1-7, wherein the step of installing the second certificate involves keeping the first certificate so as to verify data from the manufacturer.
9. A lock system (100) owned by a lock system owner
25 and comprising a management computer (110) connected to a plurality of door access control units (120),

c h a r a c t e r i z e d b y

- a first certificate issued by a manufacturer (10) of the lock system provided in the door access control units (120);
 - a second certificate issued by the lock system owner and signed by the manufacturer provided in the management computer (110);
 - a symmetric encryption key pair provided in the management computer and a respective door access control unit (120); and
 - 10 — a public asymmetric encryption key for the manufacturer provided in the door access control units.
10. The lock system according to claim 9, wherein a unique symmetric encryption key is provided for each door access control unit.